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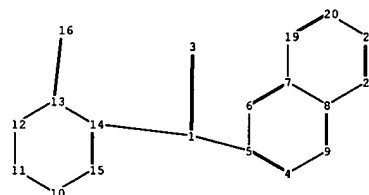
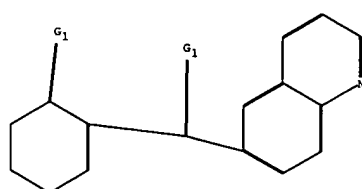
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chain nodes :

1 3 16

ring nodes :

4 5 6 7 8 9 10 11 12 13 14 15 19 20 21 22

chain bonds :

1-5 1-3 1-14 13-16

ring bonds :

4-5 4-9 5-6 6-7 7-8 7-19 8-9 8-22 10-11 10-15 11-12 12-13 13-14 14-15 19-20
20-21 21-22

exact/norm bonds :

1-3 13-16

exact bonds :

1-5 1-14 10-11 10-15 11-12 12-13 13-14 14-15

normalized bonds :

4-5 4-9 5-6 6-7 7-8 7-19 8-9 8-22 19-20 20-21 21-22

isolated ring systems :

containing 10 :

G1:O,S

Match level :

1:CLASS 3:CLASS 4:CLASS 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom
12:Atom 13:Atom 14:Atom 15:Atom 16:CLASS 19:Atom 20:Atom 21:CLASS 22:CLASS

=> d his

(FILE 'HOME' ENTERED AT 20:08:18 ON 10 FEB 2002)

FILE 'REGISTRY' ENTERED AT 20:08:23 ON 10 FEB 2002

L1 STRUCTURE UPLOADED

L2 0 S L1

L3 5 S L1 FULL

FILE 'CA' ENTERED AT 20:08:54 ON 10 FEB 2002

L4 1 S L3

FILE 'CAOLD' ENTERED AT 20:09:19 ON 10 FEB 2002

=> s 13

L5 0 L3

Connecting via Winsock to STN

Trying 3106016892...Open

Welcome to STN International! Enter x:x

LOGINID:sssptal612BXR

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2	Sep 17	IMSworld Pharmaceutical Company Directory name change to PHARMASEARCH
NEWS	3	Oct 09	Korean abstracts now included in Derwent World Patents Index
NEWS	4	Oct 09	Number of Derwent World Patents Index updates increased
NEWS	5	Oct 15	Calculated properties now in the REGISTRY/ZREGISTRY File
NEWS	6	Oct 22	Over 1 million reactions added to CASREACT
NEWS	7	Oct 22	DGENE GETSIM has been improved
NEWS	8	Oct 29	AAASD no longer available
NEWS	9	Nov 19	New Search Capabilities USPATFULL and USPAT2
NEWS	10	Nov 19	TOXCENTER(SM) - new toxicology file now available on STN
NEWS	11	Nov 29	COPPERLIT now available on STN
NEWS	12	Nov 29	DWPI revisions to NTIS and US Provisional Numbers
NEWS	13	Nov 30	Files VETU and VETB to have open access
NEWS	14	Dec 10	WPINDEX/WPIDS/WPIX New and Revised Manual Codes for 2002
NEWS	15	Dec 10	DGENE BLAST Homology Search
NEWS	16	Dec 17	WELDASEARCH now available on STN
NEWS	17	Dec 17	STANDARDS now available on STN
NEWS	18	Dec 17	New fields for DPCI
NEWS	19	Dec 19	CAS Roles modified
NEWS	20	Dec 19	1907-1946 data and page images added to CA and Cplus
NEWS	21	Jan 25	BLAST(R) searching in REGISTRY available in STN on the Web
NEWS	22	Jan 25	Searching with the P indicator for Preparations
NEWS	23	Jan 29	FSTA has been reloaded and moves to weekly updates
NEWS	24	Feb 01	DKILIT now produced by FIZ Karlsruhe and has a new update frequency
NEWS EXPRESS			February 1 CURRENT WINDOWS VERSION IS V6.0d, CURRENT MACINTOSH VERSION IS V6.0a(ENG) AND V6.0Ja(JP), AND CURRENT DISCOVER FILE IS DATED 05 FEBRUARY 2002
NEWS HOURS			STN Operating Hours Plus Help Desk Availability
NEWS INTER			General Internet Information
NEWS LOGIN			Welcome Banner and News Items
NEWS PHONE			Direct Dial and Telecommunication Network Access to STN
NEWS WWW			CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 20:08:18 ON 10 FEB 2002

=> file reg

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.15	0.15

FILE 'REGISTRY' ENTERED AT 20:08:23 ON 10 FEB 2002

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STRUCTURE FILE UPDATES: 8 FEB 2002 HIGHEST RN 391197-07-2

DICTIONARY FILE UPDATES: 8 FEB 2002 HIGHEST RN 391197-07-2

TSCA INFORMATION NOW CURRENT THROUGH July 7, 2001

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES for more information. See STNNote 27, Searching Properties in the CAS Registry File, for complete details:

<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

The P indicator for Preparations was not generated for all of the CAS Registry Numbers that were added to the H/Z/CA/CAPLUS files between 12/27/01 and 1/23/02. Use of the P indicator in online and SDI searches during this period, either directly appended to a CAS Registry Number or by qualifying an L-number with /P, may have yielded incomplete results. As of 1/23/02, the situation has been resolved. Also, note that searches conducted using the PREP role indicator were not affected.

Customers running searches and/or SDIs in the H/Z/CA/CAPLUS files incorporating CAS Registry Numbers with the P indicator between 12/27/01 and 1/23/02, are encouraged to re-run these strategies. Contact the CAS Help Desk at 1-800-848-6533 in North America or 1-614-447-3698, worldwide, or send an e-mail to help@cas.org for further assistance or to receive a credit for any duplicate searches.

=>

Uploading 9763704f.str

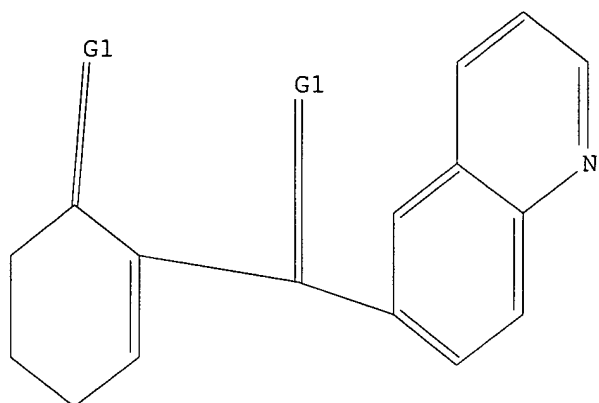
L1 STRUCTURE UPLOADED

=> d 11

L1 HAS NO ANSWERS

L1

STR



G1 O,S

Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 20:08:42 FILE 'REGISTRY'
 SAMPLE SCREEN SEARCH COMPLETED - 7 TO ITERATE

100.0% PROCESSED 7 ITERATIONS 0 ANSWERS
 SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
 BATCH **COMPLETE**
 PROJECTED ITERATIONS: 7 TO 298
 PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s l1 full

THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 139.90 U.S. DOLLARS
 DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y

FULL SEARCH INITIATED 20:08:51 FILE 'REGISTRY'
 FULL SCREEN SEARCH COMPLETED - 151 TO ITERATE

100.0% PROCESSED 151 ITERATIONS 5 ANSWERS
 SEARCH TIME: 00.00.01

L3 5 SEA SSS FUL L1

=> file ca

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	140.22	140.37

FILE 'CA' ENTERED AT 20:08:54 ON 10 FEB 2002
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FILE COVERS 1907 - 7 Feb 2002 VOL 136 ISS 7
FILE LAST UPDATED: 7 Feb 2002 (20020207/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

The P indicator for Preparations was not generated for all of the CAS Registry Numbers that were added to the CAS files between 12/27/01 and 1/23/02. As of 1/23/02, the situation has been resolved. Searches and/or SDIs in the H/Z/CA/CAPLUS files incorporating CAS Registry Numbers with the P indicator executed between 12/27/01 and 1/23/02 may be incomplete. See the NEWS message on this topic for more information.

=> s 13

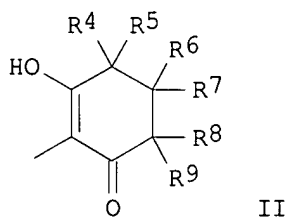
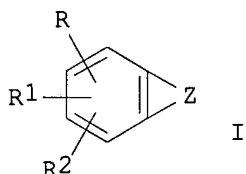
L4 1 L3

=> d 14, ibib abs fhitr, 1

L4 ANSWER 1 OF 1 CA COPYRIGHT 2002 ACS
ACCESSION NUMBER: 128:243961 CA
TITLE: Preparation of heteroaroylcyclohexanediones as
 herbicides
INVENTOR(S): Otten, Martina; Gotz, Norbert; Von Deyn, Wolfgang;
 Engel, Stefan; Kardorff, Uwe; Plath, Peter; Hill,
 Regina Luise; Witschel, Matthias; Misslitz, Ulf;
 Westphalen, Karl-Otto; Walter, Helmut
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany; Otten, Martina;
 Gotz, Norbert; Von Deyn, Wolfgang; Engel, Stefan;
 Kardorff, Uwe; Plath, Peter; Hill, Regina Luise;
 Witschel, Matthias; et al.
SOURCE: PCT Int. Appl., 86 pp.
 CODEN: PIXXD2

DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9812180	A1	19980326	WO 1997-EP4894	19970909
W: AL, AU, BG, BR, BY, CA, CN, CZ, GE, HU, IL, JP, KR, KZ, LT, LV, MX, NO, NZ, PL, RO, RU, SG, SI, SK, TR, UA, US, UZ, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT,				
SE				
DE 19638486	A1	19980326	DE 1996-19638486	19960920
AU 9743833	A1	19980414	AU 1997-43833	19970909
AU 736395	B2	20010726		
EP 931070	A1	19990728	EP 1997-941998	19970909
R: AT, BE, CH, DE, DK, ES, FR, GB, IT, LI, NL, PT, LT, LV				
BR 9711407	A	19990817	BR 1997-11407	19970909
CN 1230951	A	19991006	CN 1997-198078	19970909
JP 2001501924	T2	20010213	JP 1998-514242	19970909
ZA 9708452	A	19990319	ZA 1997-8452	19970919
PRIORITY APPLN. INFO.:			DE 1996-19638486 A	19960920
			WO 1997-EP4894 W	19970909
OTHER SOURCE(S):		MARPAT 128:243961		
GI				



AB Title compds. [I; R = COR₃; R₁, R₂ = H, halo, alkyl, alkoxy, etc.; R₃ = dioxocyclohexyl group II; R₄, R₅, R₇, R₉ = H or alkyl; R₆ = H, (un)substituted (cyclo)alkyl, heterocyclyl, etc.; R₈ = H, alkyl, alkoxy carbonyl; R₆R₉ = bond or alkylene; R₆R₇ = O; Z = substituted (N-oxido) CH:CHCH:N, -CH:CHN:CH, substituted CH:CHCH₂NH, -CH:CHNHCH₂, etc.] were prep'd. as herbicides (no data). Thus, 1,3-cyclohexanedione

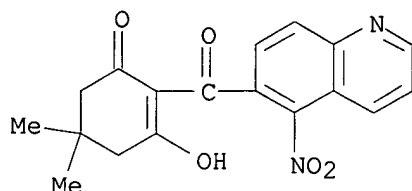
was

O-acylated by 8-bromo-5-quinolinecarboxylic acid (prepn. given) and the product rearranged to give 2-(8-bromo-5-quinolyl)carbonyl-1,3-cyclohexanedione.

IT **205046-20-4P**

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(prepn. of heteroaroylcyclohexanediones as herbicides)
 RN 205046-20-4 CA
 CN 2-Cyclohexen-1-one, 3-hydroxy-5,5-dimethyl-2-[(5-nitro-6-quinolinyl)carbonyl]- (9CI) (CA INDEX NAME)



=> file caold

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	4.50	144.87
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-0.59	-0.59

FILE 'CAOLD' ENTERED AT 20:09:19 ON 10 FEB 2002
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FILE COVERS 1907-1966
 FILE LAST UPDATED: 01 May 1997 (19970501/UP)

This file contains CAS Registry Numbers for easy and accurate substance identification. Title keywords, authors, patent assignees, and patent information, e.g., patent numbers, are now searchable from 1907-1966. TIFF images of CA abstracts printed between 1907-1966 are available in the PAGE display formats.

This file supports REGISTRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

=> d his

(FILE 'HOME' ENTERED AT 20:08:18 ON 10 FEB 2002)

FILE 'REGISTRY' ENTERED AT 20:08:23 ON 10 FEB 2002
 L1 STRUCTURE UPLOADED
 L2 0 S L1
 L3 5 S L1 FULL

FILE 'CA' ENTERED AT 20:08:54 ON 10 FEB 2002

L4 1 S L3

FILE 'CAOLD' ENTERED AT 20:09:19 ON 10 FEB 2002

=> s l3

L5 0 L3

=>

---Logging off of STN---

=>

Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.32

145.19